

## PATENT ABSTRACTS OF JAPAN

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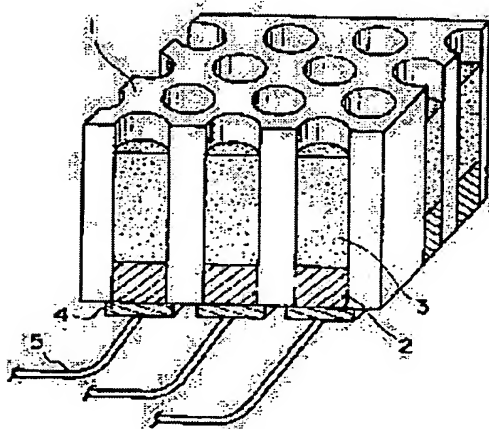
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**(54) FUNCTIONAL NANOSTRUCTURE AND OPTICAL ELEMENT USING THE SAME**

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a functional nanostructure which can show the optical characteristic of photoelectric conversion with high density, and to provide an optical element.

SOLUTION: The functional nanostructure has a supporting body 1 having a plurality of independent pores, where the diameters of opening parts are 50 to 600 nm and depths are not less than 100 nm and semiconductor fine grains 3 included in the pores.



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